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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/017,524DATE: 10/18/1999
TIME: 14:09:18

INPUT SET: S33681.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information

ENTERED

(i) APPLICANT: Kubo, Ralph T.
Grey, Howard M.
Sette, Alessandro
Celis, Esteban
Southwood, Scott

(ii) TITLE OF THE INVENTION: HLA Binding Peptides and Their
Uses

(iii) NUMBER OF SEQUENCES: 103

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Townsend and Townsend and Crew LLP
(B) STREET: Two Embarcadero Center, Eighth Floor
(C) CITY: San Francisco
(D) STATE: CA
(E) COUNTRY: USA
(F) ZIP: 94111-3834

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: DOS
(D) SOFTWARE: FastSEQ for Windows Version 2.0

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/017,524
(B) FILING DATE: 03-FEB-1998
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/589,107
(B) FILING DATE: 23-JAN-1996

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Weber, Ellen Lauver
(B) REGISTRATION NUMBER: 32,762
(C) REFERENCE/DOCKET NUMBER: 018623-005091US

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 415-576-0200
(B) TELEFAX: 415-576-0300

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47 (C) TELEX:
48
49
50 (2) INFORMATION FOR SEQ ID NO:1:
51
52 (i) SEQUENCE CHARACTERISTICS:
53 (A) LENGTH: 9 amino acids
54 (B) TYPE: amino acid
55 (C) STRANDEDNESS: single
56 (D) TOPOLOGY: linear
57
58 (ii) MOLECULE TYPE: peptide
59
60 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
61
62 Phe Leu Trp Thr Gln Ser Leu Arg Arg
63 1 5
64
65 (2) INFORMATION FOR SEQ ID NO:2:
66
67 (i) SEQUENCE CHARACTERISTICS:
68 (A) LENGTH: 9 amino acids
69 (B) TYPE: amino acid
70 (C) STRANDEDNESS: single
71 (D) TOPOLOGY: linear
72
73 (ii) MOLECULE TYPE: peptide
74
75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
76
77 Gly Ile Pro Tyr Cys Asn Tyr Ser Lys
78 1 5
79
80 (2) INFORMATION FOR SEQ ID NO:3:
81
82 (i) SEQUENCE CHARACTERISTICS:
83 (A) LENGTH: 9 amino acids
84 (B) TYPE: amino acid
85 (C) STRANDEDNESS: single
86 (D) TOPOLOGY: linear
87
88 (ii) MOLECULE TYPE: peptide
89
90 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
91
92 Gly Val Val Arg Val Trp Asp Val Lys
93 1 5
94
95 (2) INFORMATION FOR SEQ ID NO:4:
96
97 (i) SEQUENCE CHARACTERISTICS:
98 (A) LENGTH: 9 amino acids
99 (B) TYPE: amino acid

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100 (C) STRANDEDNESS: single
101 (D) TOPOLOGY: linear
102
103 (ii) MOLECULE TYPE: peptide
104
105 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
106
107 Met Leu Arg Leu Phe Asp Phe Asn Lys
108 1 5
109
110 (2) INFORMATION FOR SEQ ID NO:5:
111
112 (i) SEQUENCE CHARACTERISTICS:
113 (A) LENGTH: 9 amino acids
114 (B) TYPE: amino acid
115 (C) STRANDEDNESS: single
116 (D) TOPOLOGY: linear
117
118 (ii) MOLECULE TYPE: peptide
119
120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
121
122 Arg Thr Arg Asp Ile Tyr Ile Ser Arg
123 1 5
124
125 (2) INFORMATION FOR SEQ ID NO:6:
126
127 (i) SEQUENCE CHARACTERISTICS:
128 (A) LENGTH: 9 amino acids
129 (B) TYPE: amino acid
130 (C) STRANDEDNESS: single
131 (D) TOPOLOGY: linear
132
133 (ii) MOLECULE TYPE: peptide
134
135 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
136
137 Ser Ala Val Ile Asp Ala Leu Pro Arg
138 1 5
139
140 (2) INFORMATION FOR SEQ ID NO:7:
141
142 (i) SEQUENCE CHARACTERISTICS:
143 (A) LENGTH: 9 amino acids
144 (B) TYPE: amino acid
145 (C) STRANDEDNESS: single
146 (D) TOPOLOGY: linear
147
148 (ii) MOLECULE TYPE: peptide
149
150 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
151
152 Ser Val Leu Arg Ala Val Leu Pro Arg

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153 1 5
154
155 (2) INFORMATION FOR SEQ ID NO:8:
156
157 (i) SEQUENCE CHARACTERISTICS:
158 (A) LENGTH: 9 amino acids
159 (B) TYPE: amino acid
160 (C) STRANDEDNESS: single
161 (D) TOPOLOGY: linear
162
163 (ii) MOLECULE TYPE: peptide
164
165 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
166
167 Val Thr Phe Leu Leu Cys Gly Arg
168 1 5
169
170 (2) INFORMATION FOR SEQ ID NO:9:
171
172 (i) SEQUENCE CHARACTERISTICS:
173 (A) LENGTH: 10 amino acids
174 (B) TYPE: amino acid
175 (C) STRANDEDNESS: single
176 (D) TOPOLOGY: linear
177
178 (ii) MOLECULE TYPE: peptide
179
180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
181
182 Ala Met Ser Cys Asp Phe Asn Gly Gly Lys
183 1 5 10
184
185 (2) INFORMATION FOR SEQ ID NO:10:
186
187 (i) SEQUENCE CHARACTERISTICS:
188 (A) LENGTH: 10 amino acids
189 (B) TYPE: amino acid
190 (C) STRANDEDNESS: single
191 (D) TOPOLOGY: linear
192
193 (ii) MOLECULE TYPE: peptide
194
195 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
196
197 Gly Ser Tyr Ile Ala Leu Asp Ser Gly Arg
198 1 5 10
199
200 (2) INFORMATION FOR SEQ ID NO:11:
201
202 (i) SEQUENCE CHARACTERISTICS:
203 (A) LENGTH: 10 amino acids
204 (B) TYPE: amino acid
205 (C) STRANDEDNESS: single

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206 (D) TOPOLOGY: linear
207
208 (ii) MOLECULE TYPE: peptide
209
210 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
211
212 Lys Ser Phe Leu Trp Thr Gln Ser Leu Arg
213 1 5 10
214
215 (2) INFORMATION FOR SEQ ID NO:12:
216
217 (i) SEQUENCE CHARACTERISTICS:
218 (A) LENGTH: 10 amino acids
219 (B) TYPE: amino acid
220 (C) STRANDEDNESS: single
221 (D) TOPOLOGY: linear
222
223 (ii) MOLECULE TYPE: peptide
224
225 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
226
227 Leu Thr Tyr Ser Gln Leu Met Thr Leu Lys
228 1 5 10
229
230 (2) INFORMATION FOR SEQ ID NO:13:
231
232 (i) SEQUENCE CHARACTERISTICS:
233 (A) LENGTH: 10 amino acids
234 (B) TYPE: amino acid
235 (C) STRANDEDNESS: single
236 (D) TOPOLOGY: linear
237
238 (ii) MOLECULE TYPE: peptide
239
240 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
241
242 Arg Thr Arg Asp Ile Tyr Ile Ser Arg Arg
243 1 5 10
244
245 (2) INFORMATION FOR SEQ ID NO:14:
246
247 (i) SEQUENCE CHARACTERISTICS:
248 (A) LENGTH: 9 amino acids
249 (B) TYPE: amino acid
250 (C) STRANDEDNESS: single
251 (D) TOPOLOGY: linear
252
253 (ii) MOLECULE TYPE: peptide
254
255 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
256
257 Tyr Arg His Leu Leu Cys Leu Glu Arg
258 1 5

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SEQUENCE VERIFICATION REPORT
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Line

Error

Original Text